CLUB REPEATER:
WR4ACF (146.04/64)

RALEIGH AMATEUR RADIO SOCIETY
RARS
WORLDWIDE FRIENDSHIP

CLUB CALL:
W4DW

AFFILIATE

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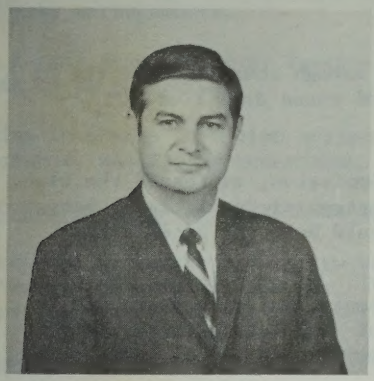
"Raleigh Amateur Radio Society News"

DECEMBER 1975 ISSUE 74

MEET YOUR MEMBERS...



BOBBY E. SHERRILL, W4WCG

Bobby E. Sherrill, W4WCG, is an active ham with a varied background.

He holds an Advanced ticket. Just to be sure he can operate while visiting his in-laws in Maiden in Catawba County, he also has a call for that QTH, WA4DDW.

A major part of his current operations involves Air Force MARS. He is the state director for AF MARS. In addition to his regular MARS traffic nets, he runs many phone patches for Air Force personnel stationed overseas to enable them to talk with relatives back home.

Sherrill is a Civil Air Patrol pilot and director of the CAP cadet program for the North Carolina wing. He also works with cadets in the Raleigh Squadron.

He was in Europe this past summer, in Germany and Holland, escorting cadets in an International Air Cadet Exchange. In his group were nine cadets from the United States, four from Canada, two from the United Kingdom, and two from Israel.

Sherrill is a retired special agent for the U. S. Treasury Department. He has 22 and a half years of government service to his credit. Four years of that was spent in the U. S. Navy where he was a photographer's mate. His duty stations included naval air stations at Memphis, Tennessee, Pensacola, Florida, Pautuxent River, Maryland, and Weeksville, N. C. At Pautuxent, he was a member of a patrol squadrom flying the old PB4Y-1. At Weeksville, he was a member of Airship (blimp) Squadron ZP-1.

He became a licensed ham while stationed at Weeksville. A member of his flight crew was an amateur radio operator and got him interested in the hobby. After they attended ham club meetings in nearby Elizabeth City, Sherrill bought a receiver and began listening to ham frequencies. He was licensed as a novice and technician in 1952.

"I had always been interested in radio," he said. "When I was a boy, I built crystal radios."

PUBLISHED MONTHLY BY THE RALEIGH AMATEUR RADIO SOCIETY, INC., P. O. BOX 17124, RALEIGH, N. C. 27609 ■ MATERIAL CONTAINED HEREIN MAY BE REPRINTED WITHOUT PRIOR PERMISSION WITH CREDIT GIVEN THIS PUBLICATION ■ TECHNICAL EDITORS - BERT BAILY, W4FMN, AND JACK KENNY, WB4MCU ■ OFFICERS: PRESIDENT - AL CLEMENT, WA4DKZ; VICE PRESIDENT - DAVE THOMAS, K4SAN; SECRETARY - CHUCK LITTLEWOOD, W4RUH; TREASURER - PAUL THOBURN, WB4MKY ■ PRINTED BY QUIKCOPY, RALEIGH, NORTH CAROLINA.

His past ham activities include net participation. "When they set up the daytime traffic system, I helped get it going," Sherrill said. "I was a net control station on the daytime continental net on 15 meters. I was also net manager for the daytime Region Four net.

Hometown is Cornelius in northern Mecklenburg County. He attended Burton Junior College and Queen's College, both in Charlotte. At Burton, he was president of student government and was inititated into the International Honorary Commerce Fraternity. He is currently taking several courses at North Carolina State University at Raleigh.

Sherrill operates Collins equipment in a shack set up in a corner of his basement. His antennas include a triband beam.

Wife Betty approves of his hamming activity. "She's glad I have the hobby," he said. "I don't ham to the detriment of the family."

The Sherrills have one daughter, Betty Ann, 22.

Sherrill, 45, was born August 30, 1930.

Other activities include membership in the Shriners where he is a 32nd degree Mason.

Sherrill said he is also "sort of a DX chaser."

"I guess I've worked around the world," he said. "I've worked enough countries for the DX Century Club Award. However, I've never applied for it. One of these days I will."

BICENTENNIAL

At our November meeting, Mr. Dick Ellis, of the Bicentennial Commission, addressed the club. He briefly reviewed the plans, goals and objectives of the Bicentennial Commission. But, more importantly, he discussed how the Amateurs of the state could help the Bicentennial Commission and vice-versa.

Initially, Dick proposed that the hams of N. C. talk up the Bicentennial with every QSO. To make us cognizant of the info that we would need, a miriad of pamphlets was provided. Further, the Amateurs were authorized to use the N. C. Bicentennial Logo on '76 QSL's.

Dick has some other surprises and interesting ideas for "Ham Radio". He will be at our December meeting. Incidentally, Dick's life-long ambition is to become a Novice.

GUEST EDITOR

Ralph Rigdon, WB4SDU was to be our guest editor. However, teaching school and other problems prohibited him from preparing his article. He has assured us that he will come forth in the near future. Mike Everette WA4DLF will be our guest editor for January.

TECHNICAL PROBLEMS? Submit them to the newsletter and maybe we can find you the answer.

THE HODGES HOUSEHOLD (Jesse, W4JG) would like to wish a Merry Christmas and Happy New Year to everyone!!

MEMBERSHIP RISES ABOVE 130!!

New Members - Russell W. Learning, 2721 Broadwell Dr., Raleigh. Electrical Technician with the Raleigh Rescue Mission. Single - no call.
John F. Flemming, 5707 Hillsborough St., Raleigh, N. C. Social work Consultant with N. C. Dept of Health Services. XYL- Scott WA4ERN. His call- WN4AFW/4.
Heinrich Foltz, 9205 Doncaster Court, WN4ACT.
Boone E. Smith, 811 Chambelain St. Student at NCSU. XYL- Nina. Call- WA4EVK.

DECEMBER BIRTHDAYS

Those members celebrating birthdays in December:

Bob Corn	K4MC	5th
Ed Robertson, Jr.	WA4MXA	7th
Bert Bailey	W4FMN	21st
Sam Stevens	SB4PIE	27th
James E. Webster	WN4HPX	31st
Ralph Rigdon	WB4SDU	31st

F.C.C. When writing to the F.C.C. about amateur matters, please use P. O. Box 1020.

STUDY CLASSES There will be a General Theory Class meeting weekly - at 7:30 P.M. on Tuesdays at the State Administration Building. The first class was held on 11-18-75, but it is not too late to join. Call Lyn, 787-2039.

A Novice Class will be held weekly on Wednesdays at 2:00 P.M. They will be held at Ravenscroft School. First class was 11-12-75 but anyone interested is invited.

SYNTHESIZER The RARS Synthesizer project has moved right along. Initial kits were handed out at the November meeting. The remaining kits and technical data should be picked up at the December meeting. Remaining parts should also be available at the Dec Meeting -- so be there or make arrangements.

No formal group building session is planned. However, a tune-up work shop will be held at a time to be determined.

Being in charge of a club project is no easy task. This makes the second project that George Richards, WA4EKJ has undertaken. On behalf of the club, Thanks, George!

SHORTWAVE LISTENERS (CREDIT HR REPORT 10-17-75)

Shortwave Listeners have a new magazine in the offing. "The International Listener" is scheduled to come out January, 1976 with subscription rates yet to be established. A sample copy is offered for 25¢ from Box 3782, Austin, Texas 78764.

REQUIREMENT FOR MULTIPLE COPIES (CREDIT HR REPORT 10-17-75)

Requirement for multiple copies for submissions to the FCC was upheld by Commissioners after consideration of a petition for its elimination submitted by W6NJU. Additional copies are necessary to insure the submission reaches all who should see it, but in their review of the requirement reductions were found possible.

Effective October 14 the number of copies required for comments on a Notice of Proposed Rule Making was reduced from 15 to 12 (original plus 11 copies) -- other requirements not likely to affect Amateurs were also reduced. In their rejection of W6NJU's petition the Commissioners also noted that single copy submissions are now and have been accepted although they do not receive as wide a circulation as those that meet the requirement.

Ham Radio/HR Report readers should not forget our long standing public service offer. Send your FCC submission directly to us and we'll make all the necessary copies and mail them to the Commission for just $1.00 per page of original document.

AMATEUR RADIO NEWS SERVICE (CREDIT HR REPORT 10-31-75)

Amateur Radio News Service is a very worthwhile investment for any club putting out a paper or thinking PR. Their monthly bulletin contains lots of good ideas and many useful news items to boot. Membership is only $3 a year -- write Sybil Allbright, W6GIC, 8658 Encino Avenue, San Diego, California 92123.

RARS NEWS RECEIVES AWARD

The Amateur Radio News Service recently announced the final judging for the 1974 Amateur Radio publications by clubs. Dave Langley, W4YDY/5, former editor, was sent a publication award for being judged Above Average for the year 1974. This contest is open to all Amateur Radio clubs in all countries. Carl Drumeller, W5JJ, ARNS Publications Vice President, headed the judging. This is the fourth year in a row that the RARS News has received an award from the ARNS.

THE NOVICES' CORNER

As a lot of you have most certainly noticed, on 80 and 40 meters, there are frequent ionospheric storms. I notice these most of the time while talking to the Panama Canal area and during my other DX work. This often irritates me and makes me quite discouraged.

I did a little research and found that most ionospheric storms are caused by sunspots. These storms are often accompanied by magnetic storms also. Ionospheric storms are usually characterized by a marked increase in radio wave absorption cuasing poor conditions. The critical frequencies also drop to low values during a storm.

Ionospheric storms may last from a few hours to several days. Since the sun rotates on its axis every 28 days, disturbances tend to occur at such intervals.

Absorption is usually low, and radio conditions good, just before a storm.

Changes in humidity and temperature of air masses in the lower atmosphere often make long range DX work possible on 28 Mhz and higher frequencies.

See you next month,

Rick, WN4LYN

RARS HAMFEST - FLEA MARKET - CLUB TABLE

With cooler weather upon us, many hams are in the process of cleaning out the shack in preparation of long winter hours of rag chewing and DXing. If in the process of cleaning up, you run across an antiquated piece of equipment, extra parts, old electronics manuals, etc ..... HOLD IT.....DON'T THROW THEM OUT.....donate them to the RARS club flea market table.

Bring your goodies to the regular RARS club meeting and I'll be happy to store them until hamfest time.

RARS needs YOUR support.....and contributions.

Carroll Welker, WB4TCR

FOR SALE

3-Element VHF (2-meter) hi gain new, only $14.00; HR-10B receiver with speaker and xtal calibrator, a steal at $55.00; archer SWR and field strength meter $5.00; copies of posi-check general and advanced (up-to-date) both $5.00 -- call Jim 467-4536.

STOLEN RIGS - Amateur Radio equipment, particularly mobile units, are subject to theft. It would be advisable to maintain a record of your equipment including manufacturer and serial number.

Another problem associated with stolen equipment is that unlicensed persons have and will operate the equipment. At the moment, we do not have guidelines to follow when a bogus station comes on frequency, but remember the F.C.C. has rules about who and under what conditions amateurs may communicate with non-amateurs.

Next regular meeting of the Raleigh Amateur Radio Society will be held 3 Dec 75 at 7:30 P.M. in the State Administration Building on Jones St. All persons interested in Amateur Radio are invited to attend.

Hal Chamberlain will provide the program. He is with a computer magazine and will present various aspects of computers.

Free coffee and donuts.

CRABTREE VALLEY - with the up coming Christmas Season, RARS is making plans to have a message pick-up at Crabtree Valley. For those of you not familiar with this, the purpose is simple.

Amateur Radio operators around the U. S. have certain specified times and frequencies to meet. Each of these "meetings" on the air is referred to as a net. By having large numbers of local, state, regional and national nets, messages can be sent and handled in an expideous manner.

By setting up our table at Crabtree Valley, we are able to pick up messages from Passersby and insert them into the nets for delivery. There is no cost to the user.

This program is very benefical to both Amateur Radio and to RARS. Why not lend a hand?

DECEMBER QUIZ

28-75 What does Band E indicate on composite resistors? On film resistors?

29-75 Everybody's talking about metric. What power of 10 does MYRIA indicate? FEMPTO?

30-75 In the formula for single-layer wound coils,, $L = \frac{(rN)^2}{9r + 10\ 1}$, what does L indicate and what are its units?

31-75 What is the shunt value for a 27-ohm 0-1 milliamp ammeter used to measure a fullscale current of 10 ma?

ANSWERS TO LAST MONTH' QUIZ

25-75 $X_c = wL = 377 \times 0.5 = +j188.5$ ohms
$P_q = I^2{}_L\ X_L = 0.5 \times 0.5 \times 188.5 =$ 47.1 vars

26-75 $X_c = V^2/P_c = 120^2/50 = -j288$ ohms
$C = 1/wX_c = 10^6/377 \times 288 =$ 9.2uf

27-75 $Z = 60\cos 60^\circ + j60\sin 60^\circ$, R=30 ohms
$I = E/Z = 120/60 = 2A$ $P = I^2R = 4 \times 30 = 120w$
$Ps = I^2Z = 4 \times 60 = 240$ va
$F_p = P/Ps = 120/240 = 0.5$ lagging

It was so cold in North Dakota last week, one Novice sent us a QSL and his tongue was still stuck to the stamp.

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— Tell'em Bill, WB4AXH, sent you!!

NOV 75 QST begins with pitch for all us hams to support our PRA's. Whazzat? That stands for Public Relations Assistant. For us RARS types, that means, support WB4ZSM, Audrey, of 10M NCS fame. When you rescue fair damsels in distress with your trusty little radio, let ARRL, RARS, N&O, and everybody know about it. Give the poop to Audrey and she'll get the episode in print. Keep 'em posted. Brag a little. Make hamous famous. A good example is shown on page 71, President Ford's congratulating ham radio with letter sent to Reston convention. ARRL starts at the top. So let's us too. While near that page, be sure to read about the Man Behind the Diamond, -- not Johnny Bench but our own illimitable Vic, W4KFC. Any questions on his credibility or expertise? Check 'im out, he's for read. SCM in Arizona in the 30s, SCM of VA in the 50s, #2 or top dog of Roanoke for 14 years, winner of HPM Award in '36 for his all-round bit at the age of ---- under 21. Talk about rising early! And so on, we can guess the rest, -- always at hamfests, at the top or close to it in most contests he enters, too tall for us runts, friendly as Babe Ruth in Yankee Stadium, and all that good stuff. Stop and think once in a while, people like this Vic and our newest RoaDirector, Phil W4ACY do all this good for us hams while they, too, have problems like us in the mob. For instance, Vic also raises 6 harmonics (you never raised 'em; they're with you forever) and Phil is all over the Division it seems like. Give a hearty handshake and welcome every time you see these fine types at conventions; where would we be without 'em? Somebody else would step up you say? Mebbe, mebbe, but none could do better and most would not do half the job, in my opinion. Some outfits don't even have a leader. Back to the grind; let's see --- Part II of an Morse to ASCII converter is continued, tracking calculations for those overhead projectiles, and several good articles on various type antennas are presented, to include 2M mobile and portable, Skylane's cubical quads (fiberglass or bamboo), loop antenna for those hunts, and what happens on antennas in JA-land. (They are swamped, locally. Wow! Read about the proliferation of hams in Japan. Hard to believe. Allowing for the usual statistical camouflage, yet the growth figures are something else, Read for yourself; I got lost when they passed our paltry quarter-million mark). If any accuse QST of catering to top engineers to the exclusion of the less gifted, read about the simple resistive antenna bridge, building a truly simple variable capacitor (called the "trombone trimmer" using copper and aluminum tubing with Teflon sheet), a cheapie transistor tester, and simple linear tuning like the best pro method by using a not-so-hard-to-find

"midline" capacitor, (merely a variable with an offset rotor shaft) and a simple mod to the HW16 so it can receive 20M. Another article tells how to improve freq stability for the Heath SB300. And then the contests, lot's of them coming up e.g. ARRL Ten Meter 12-13 Dec, Sweepstakes 8-10 and 22-24 Nov (already over when you read this, but remember entries must be in by 22 Dec) and the 160 contest on 5-7 Dec. Last buy maybe not least, results of FD last June. RARS was in 6A class and stood well in the top half, Wake Tech drew its first blood (let's leave it at that; I just could not get one more General so our novice count could not be included; however, WN4LBB, our newest novice was listed as an individual and he did make the list. Wait'll next year!) The local prize should no doubt go to our ace contester, Mike, WB4IOJ, ex-W4ATCer. He racked up the top 4-land score in the 1B class, 526 QSOs in a one-man 23-hour marathon, all with a rhombic stretched out over a tobacco field in Lizzard Lick (more on this exotic QTH elsewhere) Congrats, Mike, for this as well as your vfb help with NCS on the RARS 10M nets. Some day, RARS should get Mike to tell the multitude how to beat thru the QRM on contests without going the 5kw route. (Wake Tech is going to beat Mike next year, tho, ---we gung take away his tobacco field. Sorru about that). Well lots about good people in this rundown, and maybe technical coverage suffered, but then, basically, what's more important than people? As said before, cannot lose if you peruse.

-OCT CQ gets a nose into the value of epoxy in electronic work, not its nose but none other than our old friend, Katashi, KH6IJ out hula-land way. And that stuff can really do the job. Most of us know this already but see what ELSE can be done. CQ does good job of filling us in on the merits of John K3BNS as he fills in Chief of Amateur and Citizens Div of the FCC. We've met him before and we feel he'll do great in a most difficult job. Let's keep him informed about how WE feel about the many matters that will be continually coming before him as he tries his best to make sound decisions that will affect hams for many years ahead. Several good homebrew projects include a programmable keyer for the contest hounds, a 20 foot tiltover, a VHF shoulder-mounted(!) loop (from our friend in G-Land) that competes with our rubber duckies, a multi-band job with beaucoup de coils to keep the length to 51' and a regulated 200W,12V DC supply. Then read about the latest in propagation. If not late enough, CQ invites one and all to use their own hot-line for the "finest in long-range forecasts", --just dial 516 883 6223 anytime for 2 minutes of propagation poop. So get your cue from CQ.

Bert, W4FMN

XYL'S CORNER

by NOLA
XYL, WA4PEN

It is really hard to believe that when you are reading this, Thanksgiving will be over for another year and Christmas is just around the corner. I went shopping yesterday and all the Christmas decorations were up and I guess I realized then that it is just about here. So -- let me be the first to wish all of you a Very Merry Christmas and I do hope Santa will be especially good to all of you.

This past summer I had a great time going to a number of hamfests. It is a lot of fun getting together and doing a lot of reminiscencing. I find that I am already looking forward to the RARS Hamfest. I can't believe I said that because it seems as though my back starts acting up the day of the fest, but I really do look forward to it. I think we have one of the very best, but of course, I guess I am a little prejudiced. It makes me feel good for people to come up to me and tell me how much they enjoyed ours and ask such questions as - when are we going to have another fashion show or are we planning on a craft show this time and if so, what is it going to feature. I know it is a little early but at least they are thinking about us. I have met some of the most interesting people at the hamfests, in all different walks of life and found out that so many of us have the same interests. I hope I can go to a lot more this year and see all of you there.

As many of you know, last year Ed's car was broken into and his gear stolen. Well, exactly one year later to the very day, it happened again. So again, I urge all of you to be very careful with your gear, because your's could be next. Who knows.

It's about time to go put a pizza in the oven for the OM so guess this will be it for this time.

73's and 88's
Nola

TRICK AT LIZARD LICK

On Saturday 8 Nov, the Mayor of Lizard Lick, Charles Wood, played host to a celebration along the main drag running thru his metropolis, assisted by members of RARS and the Wake Tech ARC. To confuse matters, two Toms ran things, --WB4WII, reliable as usual and W4MGR, who more or less honchoed the radio station(s). Charley, WB4DCM was there for a while and when he cut out for big doings in the Lizard Lick suburb, Zebulon, he left his radio for the troops. Doug Allen, a budding novice from the Wake Tech ARC, was there getting first hand experience in handling traffic and writers' cramp. And grind 'em out they did, over 30 of 'em. A bunch were grabbed by Bruce WAONEW/4 and 10 were finally delivered by your EC using all manner of transmissions, including the last of the Mohicans, a bit for Newland. And here the THEN, MARS, and all else failed. Had to, ---hate to say it --- mail it. Got to get Newland back in from Tennessee to get the Pony Express going. One message was delivered via the Cape Fear ARC on 2M, thanks to Charley WB4YWC, another Wake Tech star. Overall, both Toms, young Allen and the rest did fine service and Mayor Wood wants to do it again. So hang loose, it may be a ruse.

Bert, W4FMN, EC, Wake County

Shortly after we arrived out here in OKIE country, I received the club newsletter for August. After reading the first three pages, I had to pinch myself to make sure that I wasn't dead! Thanks to the friends that made the comments about me. And thanks to Tom, WB4WII, for sending me a few extra copies.

I have been staying very busy unpacking, getting the new house and yard in shape, working at my new job, going to school a couple of nights a week and dodging the pot holes in OKC. (You wouldn't believe the size of 'em, lost 2 hubcaps on one hole!) We like it here but it's too far from the Old North State. That's about the only complaint so far. The people are very friendly and helpful. For example, just last week a passerby helped a man start his car and left it running while the man went in and robbed the Will Rogers Bank. Now that's helpful!

I haven't been on the air much. I have a "long" wire in the attic about 60 feet long and a 20 meter dipole ready to hook up. I have been on 2 meters a little. There are about 8 repeater in the area. I try to listen to 20 meter when I get a chance and I also check to see if 10 meters is open about RARS net time, but so far no luck.

Susan, WN4AKB/5, has made her first contact on 40 meters. Her school work is keeping her very busy now. We have gone to the Aeronautical Center ARC meetings.

We have taken a few of the OKIE sights such as the outstanding Oklahoma City Zoo, Indians at Anadarko and a weekend trip to the southwestern part of the state. We went to the Great Plains Museum in Lawton, the Fort Sill Museum, location of the Geronimo Guardhouse, and the Apache gravesites where Geronimo and his family are among the buried. We spent a while in the Witchita Mountain Wildlife Refuge next to Fort Will watching the buffalo and Texas Longhorns grazing free. The most fun there was the prairie dog town where we offered them bread to come out of the ground. We got pictures of them eating out of our hands. The old Chisholm trail is near here so we have crossed it a number of times.

We are planning to be in North Carolina for Christmas. I always look forward to the newsletter each month to see how the RARS is doing. I know it will continue to grow with the outstanding talent that support it.

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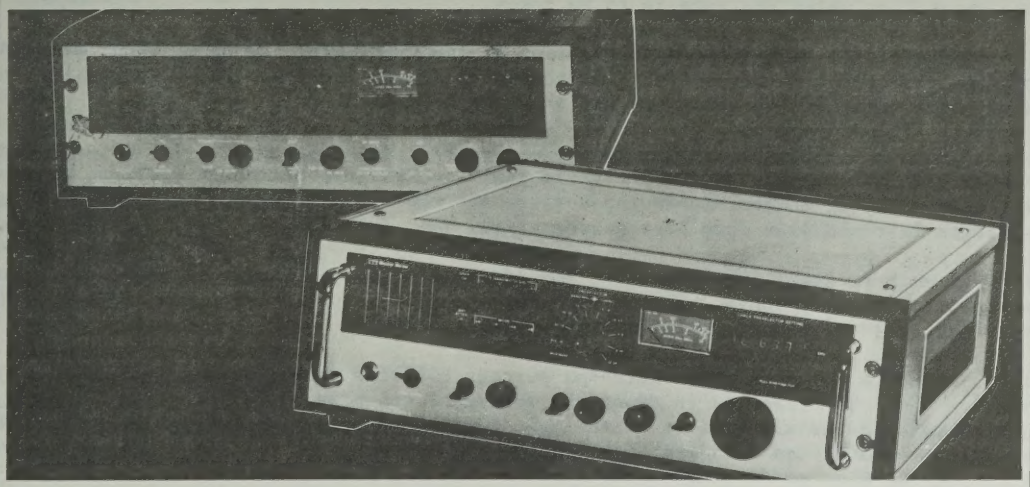

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RARS BY-LAW CHANGES

As directed by Section 5 of the RARS By-Laws, notice is hereby given to the RARS membership of several proposed changes to the by-laws which are to be voted on by the full members present at the next RARS meeting.

Section 1 part of item b. A vote of fifty-one (51%) of the total voting membership (FULL membership) in person shall be necessary to constitute a valid election of officers. change to: A majority of the full members present at a regular meeting shall be necessary to constitute a valid election of officers.

Section 1 item c. Any officer may be removed for just cause upon an affirmative vote for removal by 75% of the FULL voting membership in person. The Secretary shall notify all FULL members of the Society by mail of the action to be taken prior to the meeting at which the vote is to be taken. change to: Any officer may be removed for just cause upon an affirmative vote for removal by 75% of the FULL members present. The Secretary shall notify all FULL members of the Society by mail of the action to be taken prior to the next regular meeting at which the vote is to be taken.

Section 1 part of item d 1 referring to duties of the President. He shall authorize and countersign all checks issued on the corporate accounts by the treasurer. change to: (eliminate this sentence so that only the treasurer signs checks)

Section 1 item d 3 (a duty of the secretary). He shall maintain a separate and accurate record of the entire membership of the society with addresses, telephone numbers, grade of liscense, class of membership in the society and whether a member of the ARRL. change to: Section 1 item d 4 (a duty of the treasurer).

Section 1 item 5 f. add: The Executive and Advisory Committee, upon assurance of no net expenditures of society funds, has the authority to advance up to seven hundred and fifty dollars ($750.00) to each special event or project.

Section 5 sentence 4. A vote of fifty-one percent (51%) of the FULL membership in the affirmative shall be necessary to adopt the amendment (in person - no proxies). change to: A majority vote in the affirmative of the FULL members present at a regular meeting shall be necessary to adopt the amendment.

Section 6. add: Honorary membership shall be awarded to individuals by a majority vote of the FULL members present at a regular meeting. An Honorary member pays no dues and is entitled to all the privileges of FULL membership except voting.

Section 7 paragraph 4 sentence 2. Dues for all classes of membership in the society shall fall due on the first day in March of each year. change to: Dues for all classes of membership in the society shall fall due on the first day in January of each year. (Also change the word "March" to "January" in each sentence in Section 7 as it relates to the payment of dues to the society.)

A LETTER TO THE EDITOR (CREDIT BRUCE, WA9NEW/4)

Bruce A. Eggers WA9NEW/4
5312 Kaplan Dr.
Raleigh, N. C. 27606

15 Nov. 75

Dear Chuck,

Hope the enclosed article will be of some use to you for a future issue. I'm lousy on punctuation and grammar, so I've left it in draft format. Feel free to do anything to it you like.

Perhaps some of the guys might be interested in the reactivation of the Fourth Region Daytime Net, 4RN(D). It's been a long battle, but just this past week we got the approval of the Communications Department and the Eastern Area Staff to start the net up again. WB4TRI, normally from Tampa, Florida, was here in Raleigh for awhile, and between Ed and I, we got things rolling. So anyway, 4RN(D) starts up on the 17th of November, 7240 kHz, 1800Z and 2100Z. That's just before and just after the early and late Daytime Eastern Area Net, and on their frequency.

As I mentioned on the phone, I had a couple of inquires on getting help for blind people to get started in Amateur Radio. I've found The Hadley School for the Blind, 700 Elm St., Winnetka, Ill, 60093, offers a free correspondence course titled 'Amateur Radio Theory'. It's comprised of 14 lessons, each including a test that gets mailed back to them for correction, explanation, etc. They sent me a news release that they made to CQ, QST, Popular Electronics, and several publications directed toward the blind back in 1973. They invite inquiries, and have given me permission to publicize their program in anyway I can. I'll be sending the release itself to The Wolrdradio News, but you never can tell when somebody just might be able to use that information.

73
Bruce

TRY IT, (MAYBE) YOU'LL LIKE IT WA9NEW/4

The doorbell rang just as NCS directed W4DW to send one to me down five. The XYL was in the bathtub and both of the harmonics were outside somewhere arranging the ultimate challenge for SUPER-STUFF, or what-ever-it-is that gets used in our local QRM machine on washday. Oh well, I didn't need any encyclopedias anyway so let's get on with the traffic. By the time I had copied the preamble, complete with a check of ARL 37 (that mail strike must still be on up in Canada) and the address, Jenkins was walking through the shack door. Love that XYL. There won't be any third-party traffic allowed in her heaven. I motioned Jenkins to the stool at the workbench and kept on copying. "... end of text, signature Mary. No more." "I have a check of 38 on that Joe. If you counted the ARL number 'fifty three' as one group, I'll QSL." "Roger Bruce, that's right. WA9NEW this is W4DW." "See you back on net. W4DW this is WA9NEW portable four." I tuned back to net frequency just in time to hear NCS close the net. With that done, I swung around in the chair to see what Jenkins had on his mind. He was busily thumbing through my first edition copy of the Radio Amateur's Operating Manual. George, W4MLE, had put a lot of work into that book. Its just about the best single source of everything you need to know that there is. My well worn, autographed copy is always laying out.

"Aha," said Jenkins, triumphantly. "Right here on page 51 it says, 'All numbers, ciphers, mixed groups and punctuation count as one work in the check regardless of their length.' So he was right in counting '53' as a check of one. Besides, you couldn't have possibly gone back and counted the check on that message that fast. What're you trying to give that old timer a tough time for?"

Now Jenkins means well. He even checked into the Tar Heel Emergency Net once after I'd bugged him long enough about it. But when the NCS had tried to route a piece of Cary traffic to him, he hadn't come back. I never had asked him about that. He'd probably claim his antenna had blown down just then or that a fuse in the rig went out.

"Well now Jenkins old buddy, what the problem is, is that you haven't read far enough. Turn over a couple of more pages and read the part on ARL Numbered Text Messages."

"Yeah, OK, well it says that the numbers should be spelled out to avoid errors. That would be fine on CW, but you were on sideband. Heck, you don't need to spell it out on phone. Besides, that two letter call guy has been around a long time. He ought to know what he's doing," he replied.

"Not necessarily so," I said. "W4DW is the RARS club call. The operator could be someone totally unfamiliar with traffic handling. For a fact, the numbers for the texts are always spelled out and counted that way. If nothing else, it avoids confusion when the traffic gets routed through CW nets."

"OK. That sounds good enough for me. But how did you know what the check was so fast?"

"Well Jenkins my boy, slip on over here and I'll show you a little trick on that. You see how I wrote out the message. Each line contains two sets of five groups each. I write down the first five groups, leave a little space, write down the next five, and then go on to the next line. That way the check of the completed message jumps right up off the page at you."

"Hey, that's pretty cool," said Jenkins, with genuine admiration showing on his face. "You think that up yourself?"

"No, no," I replied. "That trick has been around more years than you and I together. George included it in his book in the part where he talks about teletype procedures."

"Well, it sure looks like it works," said Jenkins, dejectedly, "but I don't see how you can do that while you're copying. I can't write and think at the same time."

Leaving that opening laying there, (Jenkins has been known to fall off a chair while chewing gum; who knows what would happen if he tried walking too) I decided to suggest that he try it. "It's not hard once you get the hang of it. What you ought to do is check into the Tar Heel Emergency Net, and when you hear somebody passing traffic, just copy along like it was you they were sending it to."

"Yeah. I might just do that. I checked in there once you know. And would you believe it, just as they were going to give me some traffic, the fuse in the back of that SB 400 I picked up from Charlie blew. Took me awhile to figure that one out but I got it fixed myself. Well, got to be running along. Nice chatting with you Bruce. You got to come over to my shack one of these days. Been thinking of getting up on that two FM. A rhombic ought to easy to put up for that band. I always have wanted to try one. Bet you could hit some of those repeaters way off with a rhombic. Maybe you could king of help me figure out how to get one up."

"Sure thing, Jenkins," I said, getting to my feet. No sense pursuing the blown fuse or the rhombic on two just now. Through the door I could see the XYL coming down the stairs and I've seen friendlier looks on a stepped-on rattlesnake. "Come on back when you get a chance Jenkins, and in the meantime I'll see you on the nets."

BRUCE, WA9NEW/4

WA/WB/WN4 QSL BUREAU

Latest scoop on the new bureau: I checked in the Virginia SSB net on Nov. 16 and got the scoop direct from the new QSL manager, WA4HPF, Terry. They are picking up over 200,000 cards from the old bureau in Florida early in December, and will send them out fast as possible-be sure you have a SASE on file with the new bureau. They are already receiving SASE's. They prefer a 5 X 7 kraft clasp envelope - but will accept other sizes. It is suggested, in view of the expected postage increase late in December, that you put a 10¢ stamp on envelope and clip a 3¢ stamp to it, just in case. Follow regular procedure, that is call in upper left corner, with name, call and address in the usual place. You may mark the envelope "Fill", or "Monthly", as you desire.

Terry is determined to run a first-class bureau and asks for any suggestions and comments on the service. Maybe us WA/WB/WN stations can now get our cards.

The Bureau's address is:
WA WB WN4 QSL Bureau
%Sterling Park ARC
P. O. Box 599
Sterling, Va. 22170

Tom, WB4WII

RARS

Chuck Littlewood, W4RUH
Secretary, RARS

Minutes of Meeting held

NOVEMBER 5, 1975

Regular RARS Meeting - November 5, 1975

The regular meeting of the Raleigh Amateur Radio Society was called to order at 7:40 PM by President Al Clement in the Civil Defense Room of the N. C. State Administration Building. Seventy members and guests were present and guests introduced themselves.

Al introduced Dick Ellis, Director of the N. C. State Bicentennial Commission. Dick asked that all society members be goodwill ambassordors for North Carolina and that the society and the commission work together during the coming year. Chuck Maise, WB4TNC, informed us that another VHF transceiver had been stolen in the area recently. A club program might be in order on security systems, etc.

Ed Farmer, WB4TRI, of Tampa, Fla., gave us an interesting recap of the role that he and several East coast amateurs operators played in providing the primary communications for the rescue of three men and their 31 foot sloop 280 miles off the North Carolina Coast. Most interesting was the role that the Coast Guard, FCC, and other amateurs played in the emergency on November 2, 1975. It seems that the government installations were not readily equipped to operate on the frequency of 3935 KHz and it was only by rigging make-shift antennas, etc., that the shore and rescue craft could communicated with the distressed craft. Thanks go to Ed and the others that stayed on 13 hours straight until the rescue operations were complete.

Lynn Pendleton, K4NYV, announced that the General license class will start Tuesday, November 18, 1975, &:30 PM, in the regular meeting room.

Jim Leatherwood, WA4BOV, will start a novice class at Ravenscroft School, Wednesday, November 12, 1975, for the students on campus.

By unaminous vote the nominations for RARS President and Secretary, Chuck Littlewood, and Jim Leatherwood, WA4BOV, respectively, were elected. They will be installed at the regular December meeting and start their terms January 1, 1976. Al congratulated the incoming officers.

Chuck Littlewood, W4RUH, 1976 Hamfest Prize Chairman, asked for and received the society's approval for an additional $800.00 for prizes. Approximately $500.00 of the total will be returned to the club after the hamfest.

All members were reminded that they can save on their QST subscriptions by subscribing through the society. Contact RARS Treasurer, Paul Thobourne, WB4MKY.

Starting with this meeting all guests who fill our an application for RARS will receive 2 free issues of the RARS Newsletter. Contact Paul Thoburn, Membership Chairman.

Jim Leatherwood, WA4BOV, reported on the proposed changes to the Society's By-Laws. They are printed elsewhere in this newsletter. All members of the society are urged to attend the regular meeting December 3, 1975, so that these by-laws can be approved for more efficient handling of club activities.

Audrey Browne, WB4ZSM explained the December RARS and Cary Radio Club radio message service and public relations project. The project will run from Monday through Saturday, December 15, through the 20th, 1975. All members are urged to sign up for a time period. Contact Audrey or sign up at the regular December meeting.

HR Report items of importance include: make sure your copy or reproduction of your present license that accompanies your renewal application form 610 is very legible; significant action on FCC Docket 20282 (restructuring), is probably six months away; also, if your license is part of a repeater license, make sure you make a statement to that effect and indicate the call-letters of the repeater; On FCC proposal comments the original and eleven copies are now required. However, only original comments will receive reasonable attention.

RARS arm patches are now available. See the secretary.

After the break, Audrey Browne, WB4ZSM, and Paul Browne, WB4PZW, repeated their presentation on RARS public relations that they put on at the ARRL National Convention at Reston, Va., in September. The Brownes' reported considerable interest in our P. R. Activities and we thank them for helping spread the word!

Then, Jim Johnson, W4JUG, showed us a new Matric digital readout kit he recently completed for his TR3 HF Transceiver.

Ermon Godwin from Spivey's Corner and C. T. West made President Al an honorary member of the National Hollering Club. Al obliged as he called the meeting back to order!

The Country Squires, a blue grass music group gave us a good sample of what is to come at the February howdown. Tom, W4MGR, will help out the group. Max Silvers, W4HUW, also works with them.

Meeting adjourned 10:15 P. M.

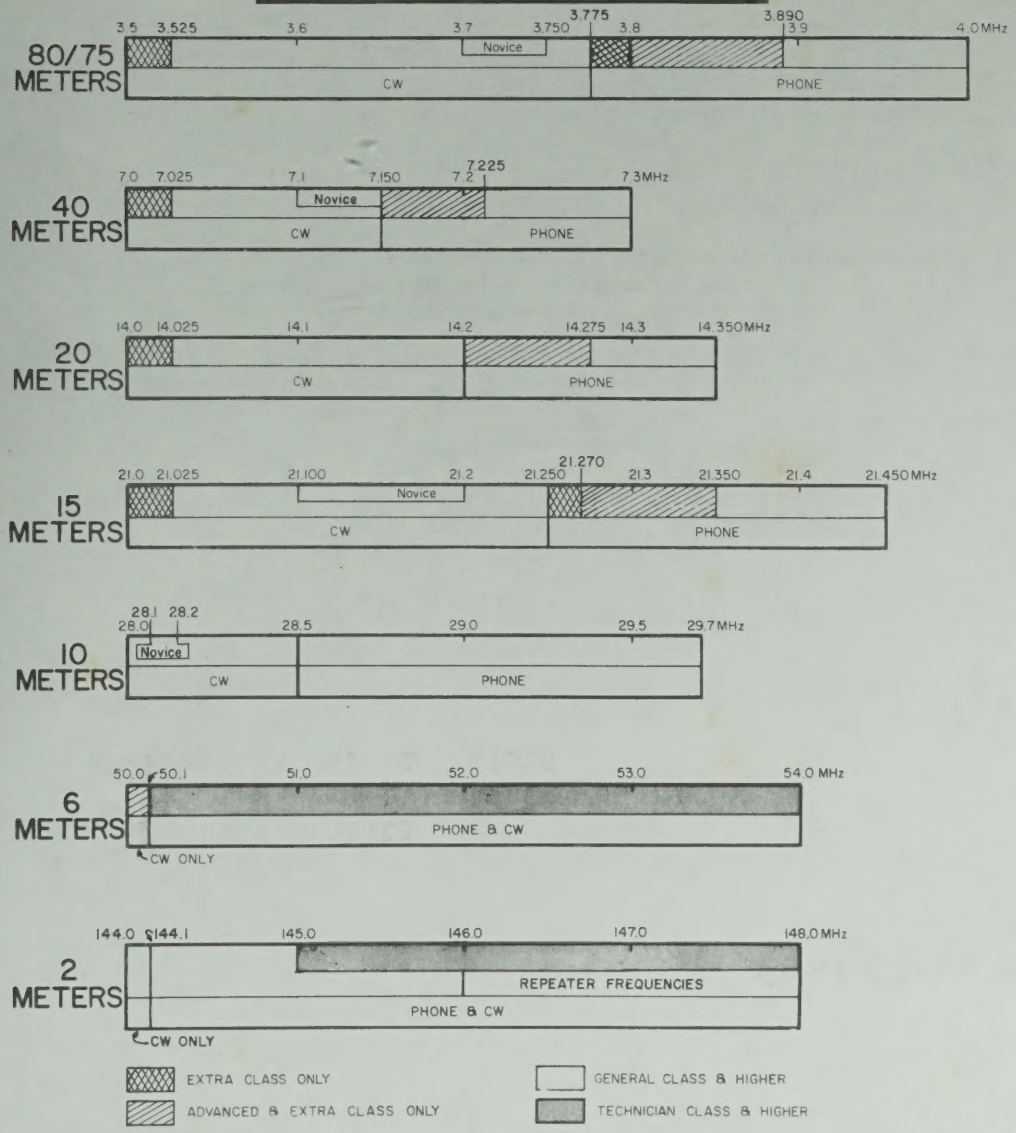
Mike Everette, WA4DLF, will be the member-at-large correspondent and Paul Stroud, WB4MZC, won the set of headphones as the door prize.

Respectfully Submitted,
Chuck Littlewood, W4RUH
Secretary, RARS

AMATEUR BANDS AND OPERATING PRIVILEGES

(Effective November 22, 1972 – FCC Rules, Part 97)

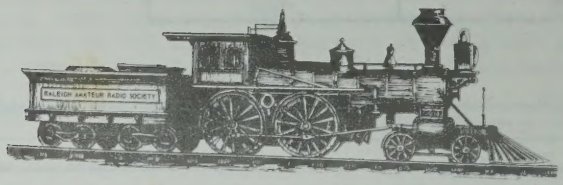
Compliments of Raleigh Amateur Radio Society
P.O. Box 17124, Raleigh, N.C. 27609



RARS
CALENDAR OF EVENTS

3 December	Regular Meeting
8-9 December	Sweepstakes CW
14 December	WIAW Qualifying Run
15-19 December	Crabtree Valley
17 December	Executive & Advisory Committee
22-23 December	Sweepstakes Phone
11 April	RARS HAMFEST

RARS NETS - MONDAY, TUESDAY, THURSDAY, FRIDAY NIGHTS
8:00 PM - 2 Meter FM Net - 146.04/64 Repeater
7:00 PM - 10 Meter SSB Net - 28.540 MHz



TOOT! TOOT!

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12 VINE STREET
FRANKLINTON, NC 27525

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POST OFFICE BOX 17124
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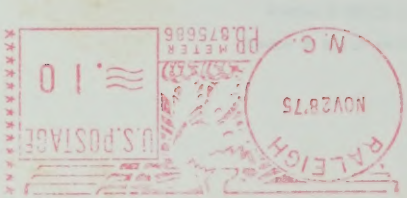
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